

# EXHIBIT F



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(54) **GRAPHIC USER INTERFACE FOR INTERNET TELEPHONY APPLICATION**

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(51) **Int. Cl.**

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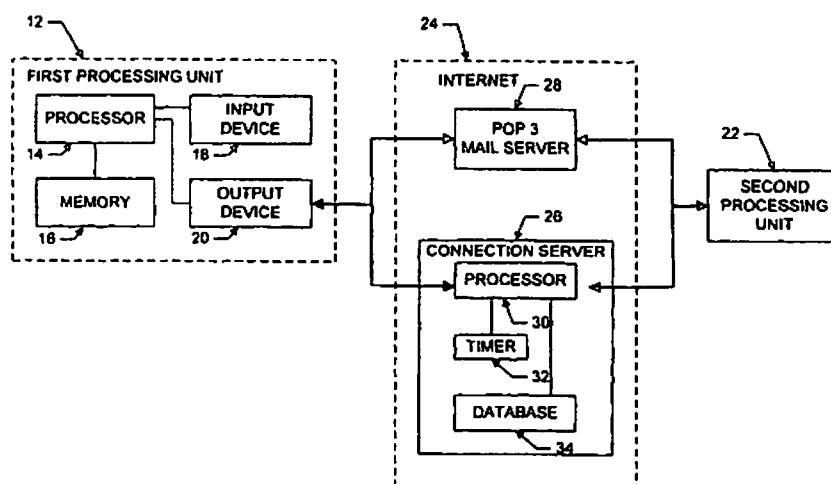
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A communication utility for establishing real-time, point-to-point communications between processes over a computer network includes apparatus for querying a server as to the network protocol address of another client process, and apparatus for directly establishing a communication link with the client process upon receipt of the network protocol address from the server. In one embodiment, the utility includes a sophisticated user interface having features similar to typical telephony hardware but implementing greater flexibility with software.



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**EX PARTE**  
**REEXAMINATION CERTIFICATE**  
**ISSUED UNDER 35 U.S.C. 307**

THE PATENT IS HEREBY AMENDED AS  
 INDICATED BELOW.

Matter enclosed in heavy brackets [ ] appeared in the patent, but has been deleted and is no longer a part of the patent; matter printed in italics indicates additions made to the patent.

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims 5 and 6 is confirmed.

Claim 8 is cancelled.

Claims 1, 9, 14, 16 and 17 are determined to be patentable as amended.

Claims 2, 3, 15 and 18, dependent on an amended claim, are determined to be patentable.

Claims 4, 7 and 10-13 were not reexamined.

1. A computer program product for use with a computer system having a display, the computer system capable of executing a first process and connecting to other processes and a server process over a computer network, the computer program product comprising a computer usable medium having computer readable code means embodied in the medium comprising:

- a. program code for generating a user-interface enabling control of a first process executing on the computer system;
- b. program code for determining the currently assigned network protocol address of the first process upon connection to the computer network;
- c. program code responsive to the currently assigned network protocol address of the first process, for establishing a communication connection with the server process and for forwarding the assigned network protocol address of the first process and a unique identifier of the first process to the server process upon establishing a communication connection with the server process; and
- d. program code, responsive to user input commands, for establishing a point-to-point communications with another process over the computer network.

9. [The] In a computer system having a display and capable of executing a process, a method for establishing a point-to-point communication from a caller process to a callee process over a computer network, the caller process capable of generating a user interface and being operatively connected to the callee process and a server process over the computer network, the method [of claim 8] comprising the steps of:

- A. generating a user-interface element representing a first communication line;
- B. generating a user interface element representing a first callee process;

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 C. querying the server process to determine if the first callee process is accessible; and

D. establishing a point-to-point communication link from the caller process to the first callee process, in response to a user associating the element representing the first callee process with the element representing the first communication line, wherein step C further comprises the steps of:

- C.1 querying the server process as to the on-line status of the first callee process; and
- C.2 receiving a network protocol address of the first callee process over the computer network from the server process.

14. The method of claim [8] 9, further comprising the steps of:

E. generating a user interface element representing a communication line having a temporarily disabled status; and

F. temporarily disabling the point-to-point communication between the caller process and the first callee process, in response to the user associating the element representing the first callee process with the element representing the communication line having a temporarily disabled status.

16. [The] In a computer system having a display and capable of executing a process, a method for establishing a point-to-point communication from a caller process to a callee process over a computer network, the caller process capable of generating a user interface and being operatively connected to the callee process and a server process over the computer network, the method [of claim 15] comprising the steps of:

A. generating a user-interface element representing a first communication line;

B. generating a user interface element representing a first callee process;

C. querying the server process to determine if the first callee process is accessible;

D. establishing a point-to-point communication link from the caller process to the first callee process, in response to a user associating the element representing the first callee process with the element representing the first communication line;

E. generating a user interface element representing a communication line having a temporarily disabled status; and

F. temporarily disabling the point-to-point communication between the caller process and the first callee process, in response to the user associating the element representing the first callee process with the element representing the communication line having a temporarily disabled status, wherein the element generated in step E represents a communication line on hold status, and wherein the element generated in step E represents a communication line on mute status.

17. The method of claim [8] 9 wherein the display further comprises a visual display.

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